

Title (en)  
Apparatus for controlling temperature

Title (de)  
Temperaturregelungsgerät

Title (fr)  
Appareil pour contrÔler la température

Publication  
**EP 0831289 A3 19990428 (EN)**

Application  
**EP 97307212 A 19970917**

Priority  
GB 9619449 A 19960918

Abstract (en)  
[origin: EP0831289A2] An apparatus for controlling temperature within an equipment housing comprises: a plurality of thermal storage devices (10a-d) for location within the housing, each for exchanging heat between itself and the interior of the housing and between itself and a thermal transfer fluid, and each having first and second ports providing an inlet and outlet for the passage of the thermal transfer fluid therethrough; and a plurality of heat exchangers (12a-d) for location on top of the housing, each for exchanging heat between the thermal transfer fluid and the external environment, and each having first and second ports providing an inlet and outlet for the passage of the thermal transfer fluid therethrough. The first ports of the thermal storage devices are each primarily connected to a respective one of the first ports of the heat exchangers by a first pipe arrangement (16), and the second ports of the thermal storage devices are each primarily connected to a respective one of the second ports of the heat exchangers by a second pipe arrangement (14). In order to improve the overall rate of heat extraction from the housing when the heat given off by the equipment is not evenly distributed, the first pipe arrangement connects the first ports of the thermal storage devices not only to the first ports of the heat exchangers but also directly to one another and the second pipe arrangement connects the second ports of the heat exchangers not only to the second ports of the thermal storage devices but also directly to one another.

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IPC 8 full level  
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CPC (source: EP)  
**F28D 15/00** (2013.01); **F28D 20/02** (2013.01); **Y02E 60/14** (2013.01)

Citation (search report)

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**EP 0831289 A2 19980325**; **EP 0831289 A3 19990428**; GB 2301431 A 19961204; GB 2301431 B 19970910; GB 9619449 D0 19961030; IT 1288819 B1 19980924; IT TO960900 A0 19961108; IT TO960900 A1 19980508; ZA 978360 B 19990216

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